

Medical Informatics Curriculum (full-time)

Valid from Autumn Semester 2025/2026 / 30.10.2025

Semester	Module Name	Language of Instruction	Credits
Semester 6	Elective Module Context		2
	Bachelor Thesis: Medical Informatics	DE/EN	12
Semester 5	Elective Module Context		2
	Project Thesis: Medical Informatics	DE/EN	6
Semester 4	Practical Semester 1		14
	Practical Semester 2		16
Semester 3	Elective Module Communication	DE/EN	2
	eHealth Project	DE	4
Semester 2	Communication Competence Basic	DE/EN	2
	Evaluation of Health Tech Solutions	DE	4
Semester 1	Projekt Management	DE	2
	IT Projects	DE	4

Semester	Module Name	Language of Instruction	Credits
Semester 6	Elective Module Specialization		4
	Elective Module		4
Semester 5	Elective Module Specialization		4
	Elective Module		4
Semester 3	Web Application Development	DE	4
	Data Science and Data Visualization	DE	4
Semester 2	Computer Science Programming 2	DE	4
	Cyber Security and Data Protection	DE	4
Semester 1	Computer Science Programming 1	DE	4
	Databases	DE	4

Semester	Module Name	Language of Instruction	Credits
Semester 6	Elective Module		4
	Elective Module		4
Semester 5	Elective Module		4
	Elective Module		4
Semester 3	Clinical Information Systems	DE	4
	Medical Imaging and Radiation Oncology	DE	4
Semester 2	Digitalization in Hospital	DE	4
	Laboratory and Hospital Pharmacy	DE	4
Semester 1	Fundamentals of Healthcare		4
	Fundamentals of Medicine		4

Semester	Module Name	Language of Instruction	Credits
Semester 6	Elective Module Cross Curricular		4
	Basics of Statistics	DE	4
Semester 5	Elective Module Cross Curricular		4
	Mathematics 2	DE	4
Semester 3	Data Standards in Healthcare	DE	4
	Natural Sciences	DE	4
Semester 2	Mathematics 1	DE	4
	Mathematics 2	DE	4
Semester 1	Mathematics 1	DE	4
	Mathematics 2	DE	4

Category	Module Name	Language of Instruction	Credits
Context Modules	Elective Module Context		2
	Communication Competence Basic	DE/EN	2
Project Modules	Bachelor Thesis: Medical Informatics	DE/EN	12
	Project Thesis: Medical Informatics	DE/EN	6
Subject-Specific Modules	IT Projects	DE	4
	Computer Science Programming 1	DE	4
Mathematics and Natural Science Modules	Mathematics 1	DE	4
	Mathematics 2	DE	4

Module Name

Language of Instruction

Credits